

Brazil 79 Amazonia

TU21539

DART

P357359

2505

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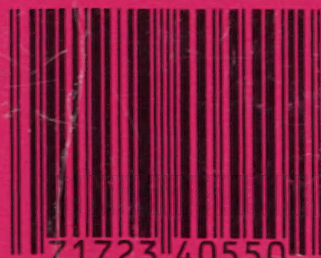
memo book

30 sheets

6 in.x 4 in.

no. 490

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Stuart Hall co., inc. KANSAS CITY, MISSOURI 64108.

2496

Brasil 79

Amazonia #1

Dec

2494 U.S., K, WIS, MO, NY

Piresia

2495

2496

June 12, 1979 - 2496
Am, Transamazon Highway
just above Sampaio's Maqueto,
152 km East of Humaita.
Pariana, off.

Scattered inside Sampaio's,
fair, tall forest, ~~for~~
common but fair in
flower; soil with red
clay - beautiful rain
forest, wet, with
Sampaio's crossing, very
dark.

[This point was our 1st
camp in the Transama
Zinica, at ~~1000~~ ca 200
m. beyond the river, by the
bridge, on the left side
FAA 11 mi with forest
a lot]

~~Pariana~~
~~Pariana~~

2497

Pariana

same loc. & site -
longer, narrower lanceolate
leaves -

~~Pariana~~

Pariana

2498

broad, large leaves,

~~Pariana~~

~~Pariana~~ US, K, M, NY, WTS 2499

Schizanthus

in the same soil point
~~not very abundant~~
not forming carpet, but
matted in

Pariana

2500

In dunes, matted
in the point, same
place, few in
flower 1?
unicon?

~~Pariana~~ 4

~~Pariana~~

~~Transamazon Highway~~
~~ca. 1.5 km above Igarapé~~

June 13 2501
Am. Transamazon Highway,
ca. 1.5 km above Igarapé
Magui, (right side of the
road), ca. 152 km east of
Humaitá.

Pariana sp.
common in rain forest
with abundant near
trail. beautiful fruit
with some trees cut
down, but not copiers,
probably cut to make
bridge on road.
Soil with top layer of
coarse reddish sand
not with.

Difficult to find but
many sp. of *Pariana*
there on this one.

There are many forms,
and all are very
abundant. Many with
flowers and several
seen by with fruit
formed. Also in
several ones several
seedling around
parent plant.

More or less tall plant
up to 1 m tall, but,
old setae, sometimes
only one.

FRA: 1:1 leaf x inf.
Sag: 1:1 fl. - young
3:1:1 inf. fl. - young

~~Pariana~~ &
~~Pariana~~ &

2502

Pariana

Same loc. & site

In al. plant ca 30-40cm

Infl. from rhizome
with verticils of 8 spha
spread out (probably
near anthesis?) -
very few of this type
seen.

no FAA.

2503

Pariana

Same loc. above. Leaves
somewhat larger than the

2504 -

~~Pariana~~ &
~~Pariana~~ &

~~Pariana~~ &
~~Pariana~~ &

2504

Pariana

Same loc. abundant
in the area not
fully covered.

Pariana

2505

Large, broad leaves

~~Pariana~~ &
~~Pariana~~ &

~~Willow~~ ~~2506~~
~~2506~~ ~~2506~~

2506

Pariana sp.

Same loc., near the entrance of the forest tall, robust plants, up to 2 m tall. Infl. short, from the base of the plant - Many leaves in the leaf axils.

Pariana

2507

Smaller plant, narrow leaves, and thin in flower.

2508

Commelinaceae

Shrubby plant, mostly in fruit, color yellow

Pariana

2509

Leptocarpus (cf. *Pariana*)

± common in the rain forest floor.

Panicum 2510
Tall plants - ca. 1.20m

Panicum 2511
Leaf complement
with many leaves
lanceolate and narrow

Rutaceae 2512
Rutaceae on sandy
soil, open trail
of forest, fruit orange

Piperaceae 2513
Growing on a bank
of river in dense rain
forest with sandy
(loam type) soil and
very tall trees

Melastomaceae 2514

Bellucia grossularioides (L.) Triana

"foiaba de auto" →

"papateva"

small tree, ca
6-8 m. tall, large
flowers, white petals
and fruit - growing
at edge of ^{tall} forest.
beautiful ^{1/2} fruit.
along road.

June 14

2515

same loc. as yesterday

~~but~~ ^{yes} ~~Melastomaceae~~ ~~Trichilia~~

~~Trichilia~~
Shrub tree, about 12 m
tall and 15 cm diameter
to with fruit. Tree
tall, rain forest with
some trees cut for
fire.

Wood with strong ^{odor} ~~odor~~
resembling ^{of} Vick Vapo-
rizer.

Piperaceae
June loc. 2 late

2516

climbing on vine, 1st prot.
with sandy soil (redish)

Panicum
micran

2517

(180)

Stems culms not infl.
narrow, streaked -
leaves lanceolate, narrow
growing in small clumps
in forest.

Piperaceae

2518

Small plant along trail
in tall, 1st, rain forest,
of sandy soil (washed soil
type)

June 14 (mostly ^{afternoon}) 2519

Am. Transamazon

Highway, 7.2 Km above

Parage Magui, \pm 159 Km
East de Hamarib

Meristachys ~~sp.~~

ca. 10 m tall and 1.3 m
diam. - hanging on trees.
Few clumps mixed
with trees on

1st in front, near edge
 (only 3 or 4 drops of oil)
 this \pm 1 or 1.25 cm. from
 strong culm almost solid,
 only small canal in center
 filled with soft pith - internodes
 smooth, little eyes below node
 node with rip of milky, yellow
 when leaf long on plant, dry
 blade reflexed caducous, falls
 both fall. Several buds on
 nodes, buds swelling on
 and arch line, very little
 of Δ , sometimes absent in a
 line. Leaves narrow type.
 \pm narrow lanceolate

3 internodes, nodes 78-79 cm.
 gerronches, blue wh. pots red #2
 carbonaceous #red 0

FAA: 2 nals, buds x leaves

2520 Pham ^{US, K, MO, NY, WIS}
 2521 Chirochloa

2522. Lanius
 2523 Bahinia
 2524 Olyra latifolia
 2525 Paspale pendula
 palude 34

527 Km road -
 7 Km to

campamento

2520

Same loc.

Paspale
 In \pm disturbed edge
 of meadow of edge of
 forest. Very tall
 robust plant ca. 1.40 m
 tall. Pale inflorescence

easy bending in sections
and getting sticky to clothes -
Vest seen with a
huge Pharus, almost
as tall as me -
no FAA

2521

Chrysobalanaceae
Hirtella sp.

Shrub, about 1.5 m
in rain forest, in
± disturbed area near
edge -

2522

Laniaceae

Shrubby grass, ~~erect~~
to 1.5 m or more -
with sharp barbs in
main culms, 1 barbed
per node - All plants
in flower, an. fruits
dark in color

Legum. Gesalp.

2523

Bauhinia

Growing in area ± disturbed
near edge of forest
Very ramified tree, about
50 m tall

K

2524

Olyra latifolia

Very robust plants in
 three rows, edge of rain
 forest of tall trees -
 ca. 2 m tall - with
 very broad, large leaves.
 no FAA

Pariana

2525

Growing in + disturbed
 area of ~~old~~ ^{abandoned} ~~old~~ ^{abandoned}
 trail in 19, rain
 forest of very tall trees (40,
 50 m tall) - ca. 1.25 m
 tall, very strong rhizome
 at ~~bottom~~ ^{base} with top
 dense oval rosette -
 In flower and fruit

leaves from top of culm
 for another, nearby
 culm. Both types of
 Old, per terminal
 in flower, and new and
 old seed ones but
 these with tall stems
 ca 30 - 40 cm tall
 FAA - 1 m tall with leaves
 leaves very broad.

June 15 -

26

544 km. Vitoria

Sept. - Juntas a la

27

June 15 2526
Am. Transamazon Highway
ca. 10 Km East of Ipanema
Mafun.
Vitaceae

Leguminosae 2527
Hymenoclea (intermedia)?
"jatobá"
Tree,

Km. 15596 2528

U.S. F. W. T.

June 15. 2528
Am. ~~Transamazon~~ Transamazon Highway
ca 62 Km ^E of Ipanema Mafun.
Rio ?
Gynanostichia sp.

Growing in wet well
forest (ranger near edge
of river.

Plant about ca. 1.75 m
not erect but seedling
over others. Plants in
fringe and top of
savanna but no flowers

June 17

2529

late
for det.

Am. Terau Amazon High-
way, ca. 9 km W of Rio
Pombas - $\frac{1}{2} \times 64$ km E of
Campina Segura - Ampurua

Humiriaceae.

Humiria sp.
"miri"

Small tree, branched
ca. 2 m.

Campina type of ~~tree~~
forest, in ~~side~~
~~open~~ open place of
the campina. Small
tree, a shrub reproductive
on ~~at~~ white sandy
soil - flowers very
old.

Gutierrezia

2530

lv. "alpaka" spui

In white sand soil
campina, in ~~side~~ in
open place - tree
about 6 m tall.
In fruits.

Lythraceae Eriocaulaceae 2531

det. A. L. L. J. W.

(Poor name like *cuscuta* or
benincasa?)

Shrub about 1 - 1.5 m
tall in white sand
~~at~~ campina - flowers
white

Lepurimorae 2532
Papilionaceae

Climbing plant on
campfire - Flowers
light blue and white
(only one sample with
pores & 5 mm in fruit)

Lepurimorae 2533
Lupulinoideae

Eperua sp -
In ~~moor~~ open area
of campfire. Small
tree of ab 1.5 m.
Flowers lila.

Angrobalanaceae 2534
Hirtella sp -

Shrub ^{flouring} about 1 m.
Flowers like cold
(only 1 sp. in flowers &
fruit (2 ~~sp.~~))

Lepurimorae 2535
Larrea

in campfire, Shrub about
2 m. tall. Flowers
still not open

47.5"

Forastaceae 2536

Epiphyte on small
trees of white sand
campina. in
fruit

Polypgalaceae 2537

Shrub ss. 2m tall with
small fruits

Pteridophyte 2538

In white sand campina
(~~on the opposite side of the~~
~~road~~)

Bromeliaceae 2539

Epiphyte on small
trees of campina
Flowers bracts dark pink
and bracts redish-
In flowers & fruit.

Pteridophyte

2540

In white sand campina
in openings of ~~the~~ ^{the}
thick trees - 1

Rubiaceae

2541

Psychotria

Shrub ca. 2.5 m with
dark pink flowers -

Burseraceae

2542

Licania sp.

Small tree ca. 3 m tall
with white flowers -

Rubiaceae

2543

Popanea

Shrub ca. 3 m tall
in white sand campina

Dicranophyte. 2544
Polygoniaceae.

Abundant in flood of
transition type of forest
"campina alta" &
campinarana -

Panicum 2545
In some places of
transition type of forest
of campina well
campinarana
or campina alta
in dense clumps, they
occur with dense
and long oval leaves, ca
1.50 ft 1.75, with

64 Km E of Aripuanã
River

thin, long, terminal
inflorescences.

June 18 2546

Am. Transamazon High
way, 9 km W of Rio dos Pombos (ca 1500m
east of Pombos)
A. Pombos

Mandevilla

Shrub with large yellow
flowers, on sandy soil
of campina and
white latex

Aspidaceae.

~~Carotaceae~~

2547

Mandevilla

big yellow flower.

Xyridaceae

2548

Abolboole grandis Griseb. & aff.

monoc. with blue flowers
abundant

Xyridaceae

2549

Xyris sp

very small with yellow
flowers, common.

Ericaceae

2550

Caepalanthus

abundant on white
sandy soil, small
yellowish in flower.

Rapateaceae 2551

~~Ala. W. Hill~~

Cephalostemon gracilis Rob. Schomb.

Abundant, yellow
flowers; they bore 5
flats; (flat fruit.)

2552

Ericaceae

Ericaulon

Abundant with rosette of
leaves and white lines
of hair like wool on the
center of rosette. White
flowers

Ericaceae 2553

Abundant, white rosette
on top of rosette of leaves

Ericaceae 2554

Paepalanthus

Larger than the other with
bore rosette and
a 2' above with
branched inflorescence.
Flower white

Eriocaulaceae ~~2~~

2555

Paepalanthus

~~the~~ Grass type leaves, head
tall ca. 30 cm or less
white flowers.

Mecairea sp. (probably new sp.)

~~Melastomaceae~~ ~~2~~ 2556

fls rose, shrubs.
up to 2 m

Holmes 10921 c = per?

Xiridaceae?

2557

One leaf in flower. with
3-merous yellow flowers.
Abundant common

~~Eriocaulaceae~~ ~~2~~ 2558
Bygonanthus

Golden hairy head inflores-
cence. The broad flat
of campina, leaves
and inflo. stem a
white like hair?

Gramineae 2559
Nasella?
Common but mostly
passed a fly-

Rubiaceae 2560
Boerhaavia sp.
Light pink color flowers
and red stems, shrubby
herb.

Ochnaceae 2561
Sauvagesia sp.
Flowers small white with
pink, Has oval leaves
alternate - Herb, last
common

~~Quercus sp.~~ 2562
Ferticulariaceae
Atriplicaria complanata ADC at off.
Very salivate herb, all
pink redish plant. The
yellow flowers.
Common in humid
spots of campus

Persea hirsuta Aubl.

Rubiaceae ~~to Borreria~~ 2563

Yellow small flowers
common in the white
sandy campina

Ericaceae 2564

with flowers, and narrow
thin leaves, c. 5 cm long
(longer than previous ones)
In humid spots, common

Phenidophyte 2565

In humid spots of campina
under small trees, in
association with the next Phen-
idophyte

Phenidophyte 2566

In humid spots of campina
under small trees, in
association with 2565

Rubiaceae

2567

Shrub ca 2-4 m, in
fruits.

Rubiaceae

2568

Palicourea?

Shrub ca. 2 m. ~~Fls~~ in
the rampine. Flowers
yellow with red calyx

Apoynaceae
Couna?

2569

Arbusto ca. 20 cm a 1.5
m. Flowers pink

Apoynaceae

2570

~~Arbusto~~ Tree about 6 m
high, one of the tallest
trees of the rampine
only with young fruits

Rubiaceae

2571

In fruit, trees 3-4 m. tall.
in campina

Loasaceae

2572

Epiphyte in fruit -
on small trees of campina

Guttiferae

2573

Tree ca. 5 m. with only
fruits.

Euphorbiaceae

2574

Croton?

~~Shrub~~ Shrub ca. 1.5 m.
with green cream color
and fruit

Poaceae 2575
Axonopus (sec. Cabrera) +
(Infl. - reticulate \searrow .) Panicle
with white long hair
In opening of canyons
in the large superficial
stones (sandstones?)
(arenitas) Abundant

June 19 (same loc.) 2576
Compositae
ca. 1-1.20

Urticaceae 2577

Small plant, common in
canyons, leaves yellow

Eriocaulaceae 2578
Eriocaulon

dry soil in all the
sandstone soil ~~and~~
corolla and no hairy
on the leaves

Panicum 2579

Very small spiky, delicate
very flat in round
clumps, common in
wet places of
lowland

Panicum 2580

Paspalum

Large plant c. 30 cm
white long spikes, with
small white seed
20 cm above ground
1st spike, common
abundant

Lycopodium? 2581

For damp, common in
lowland

Paspalum 2582

Very abundant, with
leaves along stem and
small plants

Cyperaceae

2583

Common in conifer

Malpigiaceae

2584

Tree ca. 3m. common in
conifer, flowers
white.

Legum.?

2585

Yellow flower, tree ca. 3m.

Fam. Incognita

~~Melastom. Siphocampylus~~

2586

Very small, shrubby plant
common in wet spot
of conifer, flower bright pink.
Malpigiaceae 2587

Small tree ca. 3m
flowers white turning
pink.

Compositae 2588

White flowers, shrub. ca.
1.50 - 1.80

Malpighiaceae 2589

Shrub ca. 1.50, white flowers

Ericaceae 2590

^{drooping} small silicles of leaves
along the center. Fruits
golden color.

Myrsinaceae 2591

Shrub ca 1.50, with pink

& fruit

Melastomataceae 2592

^{Pachygonia huberoides}
Shrub ± 1.5 - 2m tall

with fruits & seed ^{flowers} pink

orange color

^{Pentapetala} ? 2593

^{reticulata}
very small, many

in fruit

Melastomataceae 2594

very delicate, growing between
rocks & woods, flowers
white

Pteridophyte 2595

delicate in wet spots

Melastomataceae 2596

^{Miconia subimplex}
Shrub ca. 2m tall

^{Fern. Inagratia}
Melastomataceae 2597

^{Siphonanthus}
delicate in area of transition
with campinarana (mixed
taller forest - flowers pink.

Gentianaceae 2598

^{Chelonanthus}
flowers white in

Bromeliaceae 2599

similar to note &

transition campinarana

Rosaceae 2600

~~Rubiacaceae~~

Schmantz

Qua

2648

2496

152

2607

2523

74

3

Zico

2648

2529

119

12
S